Viper Strike Fielded and Ready!

Precision Strike Annual Programs Review

Arlington, VA

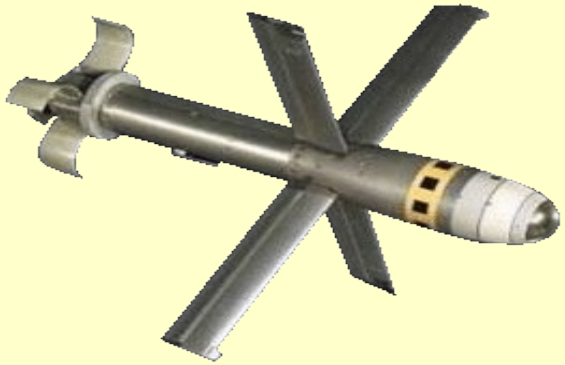
19-20 April 2005

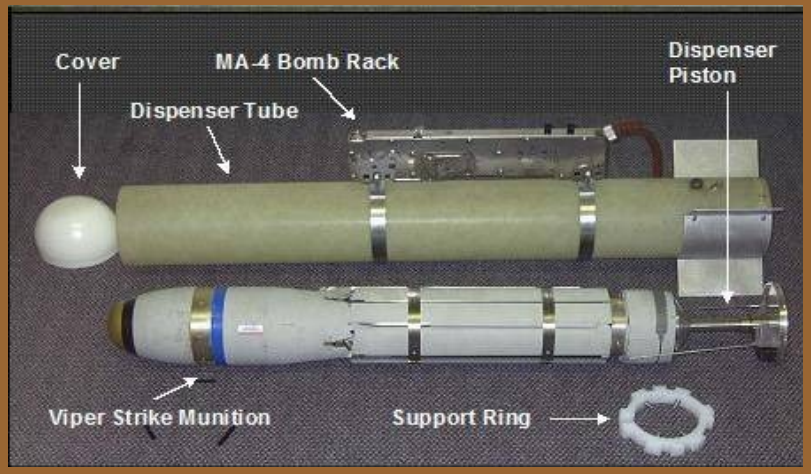
UNCLASSIFIED Unrestricted Release

LTC John Oxford
PM Submunitions

Viper Strike Major Components

- *48lb Precision Munition*
  - *Semi-Active Laser Seeker*
  - *Near Zero CEP*
  - *Small size/weight warhead*
  - *Nearly impossible to countermeasure*
- *Munition, Airframe, & Seeker being produced or recently in production*
- *Successful Validated Demos*
  - *Mar '03 – 6 of 7 engagements*
  - *Jul '03 – 9 of 9 engagements*
- *Quick Reaction Capability fielded to*





Viper Strike Lineage

ATACMS Delivered Base BAT

Eagle Eyes Multi-Mode Seeker

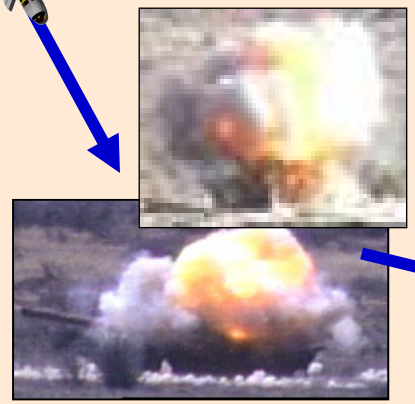
Operational Capability

Convert Block II Base BAT to Viper Strike

AC-130-Viper Strike ACTD

New Production Viper Strike Munition Requirement

AC-130 - Viper Strike Operational Use



Viper Strike SAL Seeker Proof of Principle Demos I & II

Hunter-Viper Strike Quick Reaction Capability Fielded

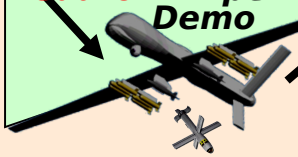
Hunter-Viper Strike CSTF & CRAM Capability

Hunter - Viper Strike C/RAMS Operational Use

Predator - Viper Strike Operational Use

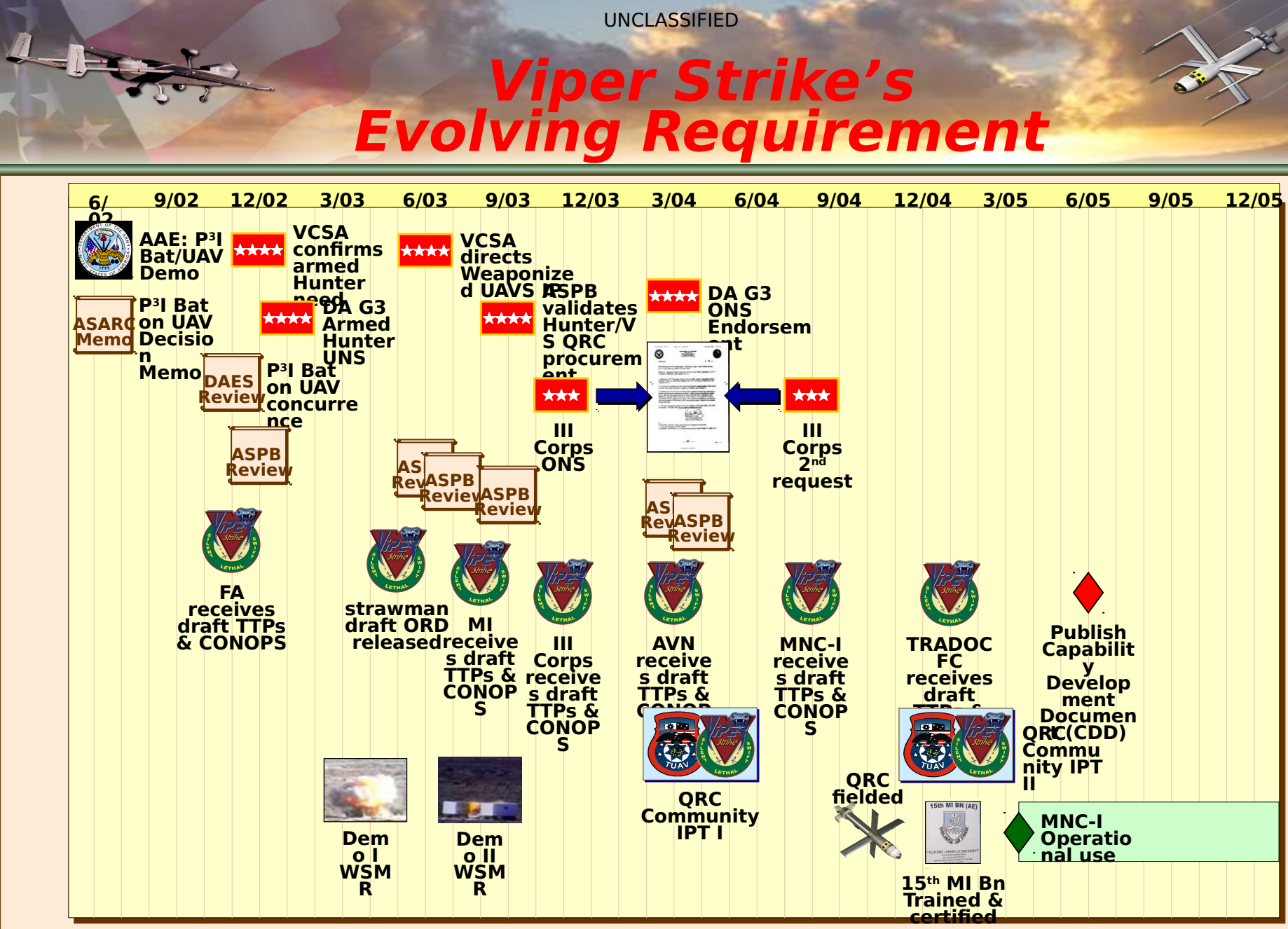
Hunter - Base BAT Demo

Predator - Viper Strike Demo



Proof of Principle

Viper Strike's Evolving Requirement



Quick Reaction Capability

Operational Needs Statement:

- Provide Training, Crew Certification, and Tactical Viper Strike Munitions to MNC-I in support of Operation Iraqi Freedom
- 2 Army Hunter Viper Strike Equipped UAVs
- 8 Training/Crew Certification Munitions
- 25 Tactical Viper Strike Munitions
- 2 Contractor Logistical Support Munition Handlers

$3.6M FY05 Supplemental funds provides 45 additional Viper Strike Munitions to OIF for CSTF/CRAM Efforts

Current Capabilities

- ***"Golden Shots"***
  - Pinpoint a moving armored car in a motorcade
- ***Restricted (Minimal Collateral Damage) Urban Targets***
  - Reach down into cordoned urban canyons
  - Near vertical angle of attack projects warhead shrapnel into the target and ground minimizing collateral damage
- ***Convoy & TOC ISR & Security***
  - At 10k' AGL, UAVs relatively unseen, unheard, and undetectable
  - Allows observation of enemy preparations and ambush points
- ***Key Infrastructure ISR & Armed Response***
  - Refineries, pipelines, politically sensitive locations, etc.
- ***Monitor critical situations with timely response***

Future Carriers

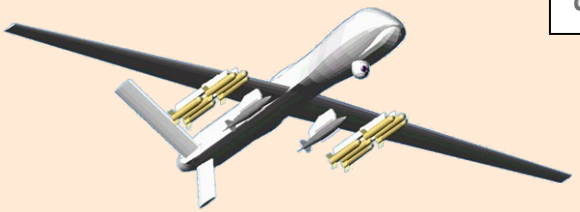
Hunter 2 Munitions

Fire Scout 4-6 Munitions

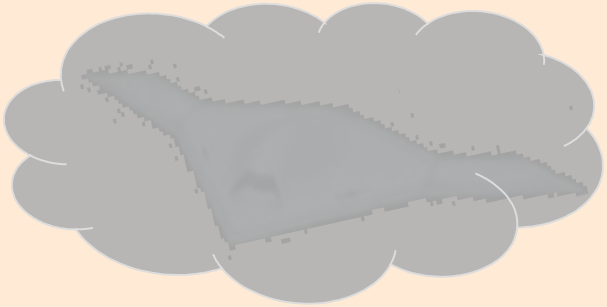
Many Munitions on the AC-130

FUTURE COMBAT SYSTEMS
FCS
One Team-The Army/Defense/Industry

7 Armed Carriers, 14-28 Munitions, in the UEx, Fires Brigade, UAV Company

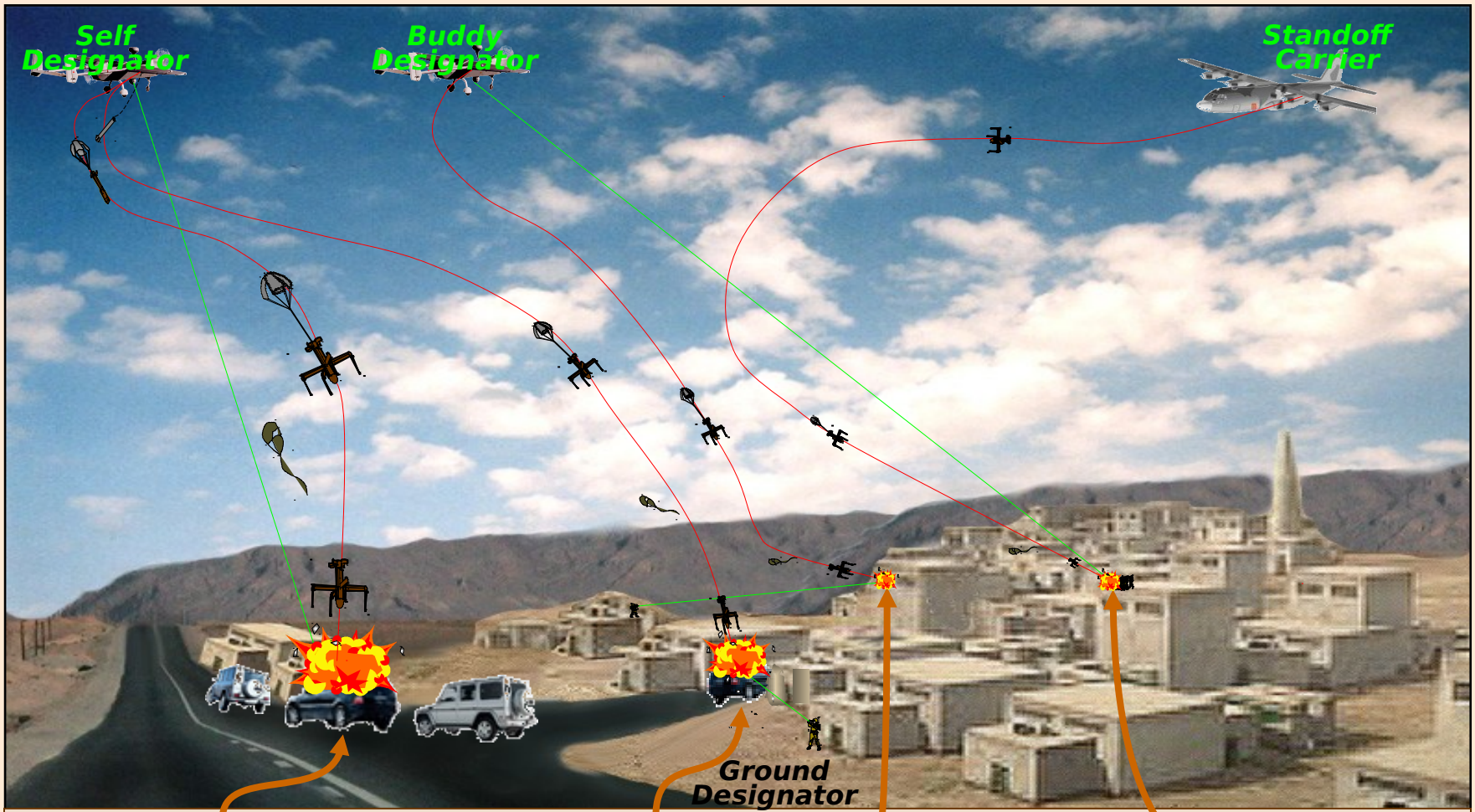


MQ-1 Predator 4-6 Munitions, MQ-9 Predator B 12-24 Munitions



Other Carriers

Future Capabilities


Self Designator
Buddy Designator
Standoff Carrier
Ground Designators
Pinpoint & confine damage to a single moving armored vehicle in motorcade
Reach into cordoned urban canyons
Precise room attack; minimal collateral damage
6km sniper for "Golden Shots"

Take Away Message . . .

Several Concurrent Efforts . . .

- ***Requirements, TTPs, and CONOPS***
- ***Operational Missions in theater***
- ***Various user demonstrations being planned***
- ***Follow-on munition production and sustainment issues***

Viper Strike's Greatest Hits

July 2003